

Geldner, et al. Plant J. 59:169-178
Online Supplemental materials
Supplemental Figures S1-S4
Figure Legends

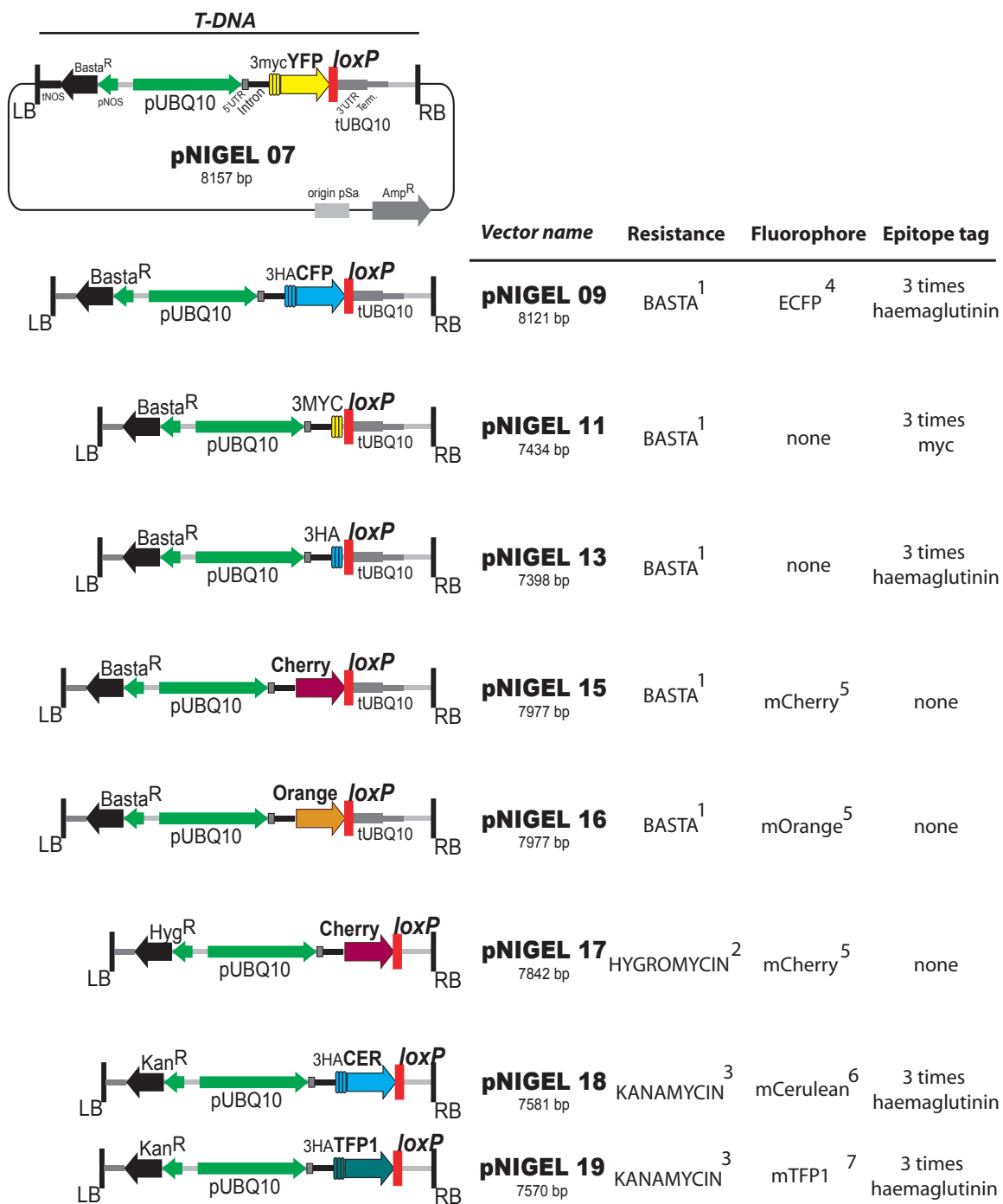
Figure S1. Available plant transformation vector set for UPS recombination cloning. Vectors pNIGEL07, 17, 18 and 19 have been used for this publication. Only 07, 17, 18 have been tested in plants. Vector sequences have been submitted to Genbank and Clones will be made available through the *Arabidopsis* Biological Resource Center (ABRC).

Figure S2. Quantitative co-localisation of YFP-tagged Wave set with the endocytic tracer FM4-64.
(a) 5–10 min of uptake, (b) 60–90 min of uptake, (c) 60 min of uptake with BFA 25 μ m. YFP-tagged compartments shown in green, FM4-64 in red.
(d) Quantification of co-localisation of pictures shown in (a–c). 5–10 min FM4-64 in blue, 60–90 min in red, BFA treatment in green. This panel shows the complete set of markers analysed, a selection of which appears in Figure 3 of the publication.

Figure S3. Mapping of membrane compartments by combinatorial co-localisation. A subset of YFP-tagged (Y) and mCherry-tagged (R) lines were chosen for crosses. YFP signals always in green, mCherry signals always in red. Low right picture block shows selected double-tagged lines after BFA treatment. Scale bar (upper left picture): 5 μ m. This panel shows the complete set of markers analysed, a selection of which appears in Figure 3 of the publication.

Figure S4. Immuno-electron microscopy of Wave lines with different antibodies.
(a) Immuno-staining of Wave 33Y (RabD2b) using anti-myc antibody. Note that the staining is present in Golgi stacks, but that strongest staining is seen in the trans-Golgi network region.
(b, c) Immuno-staining of Wave 18Y (AtGot1p) using both anti-myc (b) and anti-GFP (c) antibodies. As expected both show similar localization of label to the Golgi stacks, with preferential staining of the periphery. Labeling at the trans-Golgi network can only be occasionally observed. Scale bar: 500 nm.
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Geldner_Supplementary Figure 1



1 *pat* gene conferring resistance to Basta (phosphinotricine)

2 *aphIII* gene conferring resistance to Hygromycin

3 *NptII* gene conferring resistance to Kanamycin

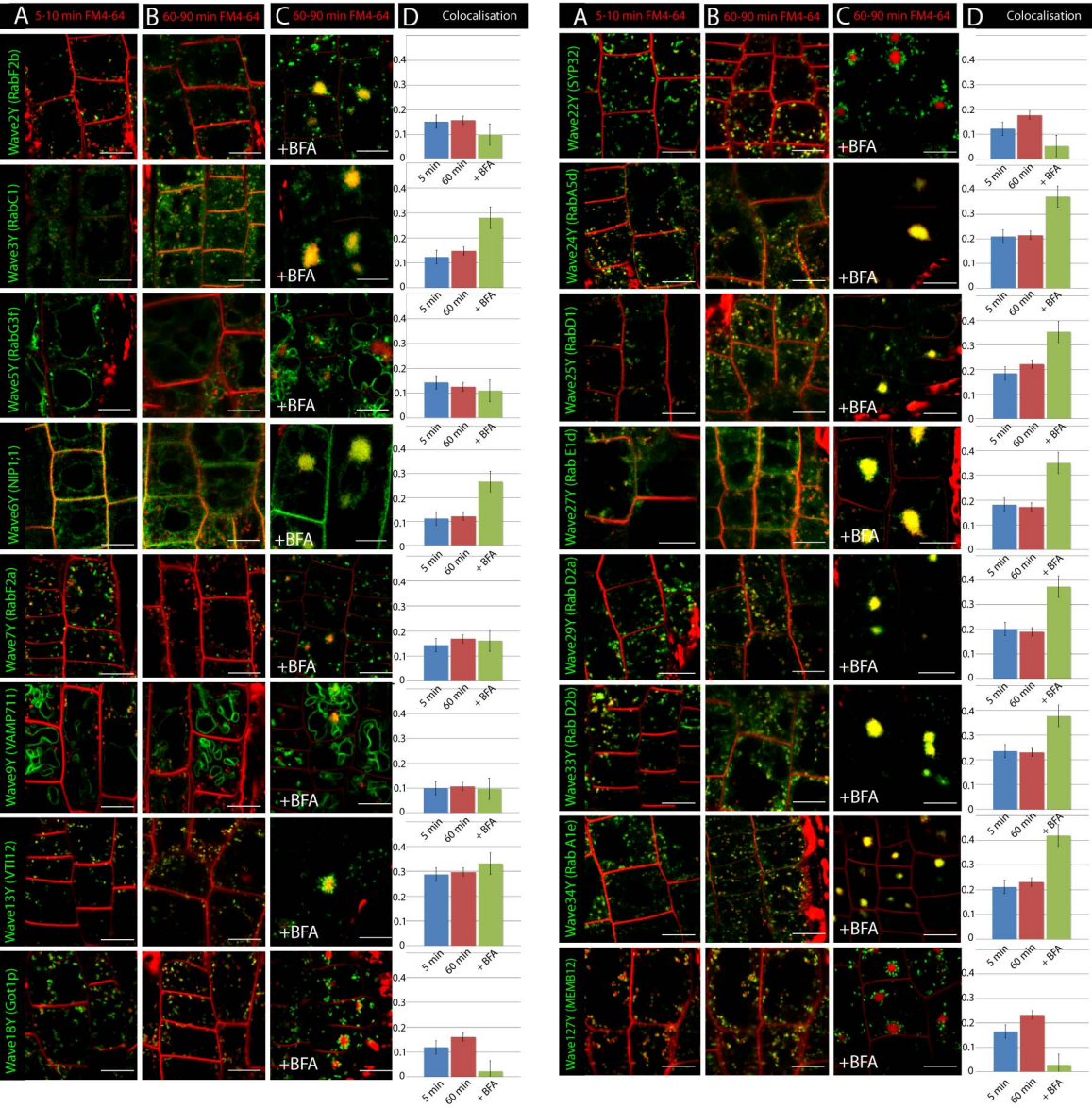
4 enhanced CFP from Clontech

5 as described in Shaner et al., Nature Biotechnology, 2007

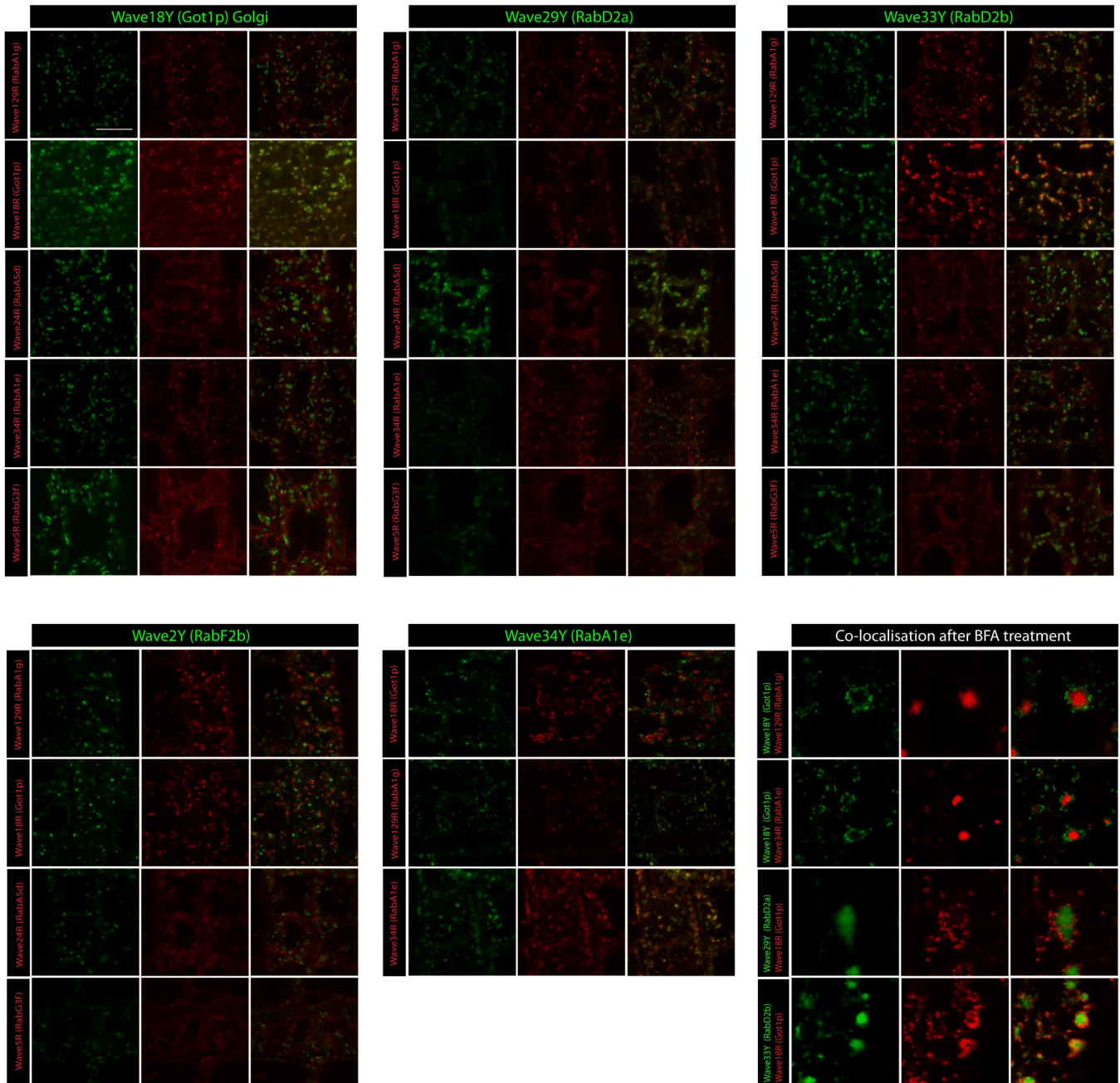
6 as described in Rizzo et al., Nature Biotechnology, 2004

7 as described in Ai et al., Biochemistry, 2007

Geldner_Supplementary Figure 2



Geldner_Supplementary Figure 3



Geldner_Supplementary Figure 4

